Proposed Navy Mitigation Project

NAVAL SUBMARINE BASE, BANGOR

JULY 31/ AUG. 1 1998 Oil Spill

Presented to: Washington State
Department of Ecology
Resource Damage Assessment Committee

Presented by: Naval Base, Seattle
Naval On-Scene Coordinator

BEACH CLEAN UP, EROSION CONTROL, & HABITAT RESTORATION

1) Location of Project:

This project is located at the Naval Submarine Base Bangor, near Silverdale Washington. The base is an industrial military installation, located on the shores of the Hood Canal. The facility consists of about 7200 acres of mixed forest and developed land, lying along about 4.5 miles of waterfront of the Hood Canal.

2) Brief Description of Project:

The project will begin with a general beach clean up, to remove debris and litter from the beach, and near-shore habitat. Existing driftwood logs will be repositioned on the beach to reduce bank erosion from wave action. Then plugs of beach grasses will be harvested from other similar areas on the base, and transplanted onto an upper beach area approximately 20 feet wide just above the high tide line, along the shoreline of Carlson Spit. Military crew members from submarines and service craft at Bangor will provide the labor. Heavy equipment from the Bangor Public Works Dept. or Construction Battalion will move and place the driftwood logs, and trucks from the Bangor vehicle pool will be used to transport plugs of grass for transplanting. At the completion of the transplanting, signs will be made and installed prohibiting future use of the beach area for storage, parking, material laydown, etc. Total beach and upper beach habitat effected by this project will be about an acre and a half. All work will be planned and supervised by the Bangor Fish & Wildlife Biologist.

3) Describe briefly how this project will benefit resources potentially effected by oil spills:

Beach clean up will improve the esthetics of the Carlson Spit, and reduce the potential adverse effects of debris and litter on the beach. Driftwood logs will be strategically placed to reduce bank erosion from wave action. Establishment of grass will reduce silt transport into the Hood Canal and improve the near-shore wildlife habitat, and the signs will aid in preserving the more natural habitat created by this project.

4) Define the goals and measurable objectives of this project. How will success be measured?

The goals of this project are to reduce silt transport to the Hood Canal, to minimize erosion from wave action, and to improve the near-shore habitat. Success will be measured by long term continuing observation of the area by the SUBASE Biologist to assure grass area thrives.

5) What is the estimated duration of this project?

Two normal working days for driftwood log re- arrangement and 4 weekends for the beach clean up and transplanting grass.

6) What is the estimated cost of this project?

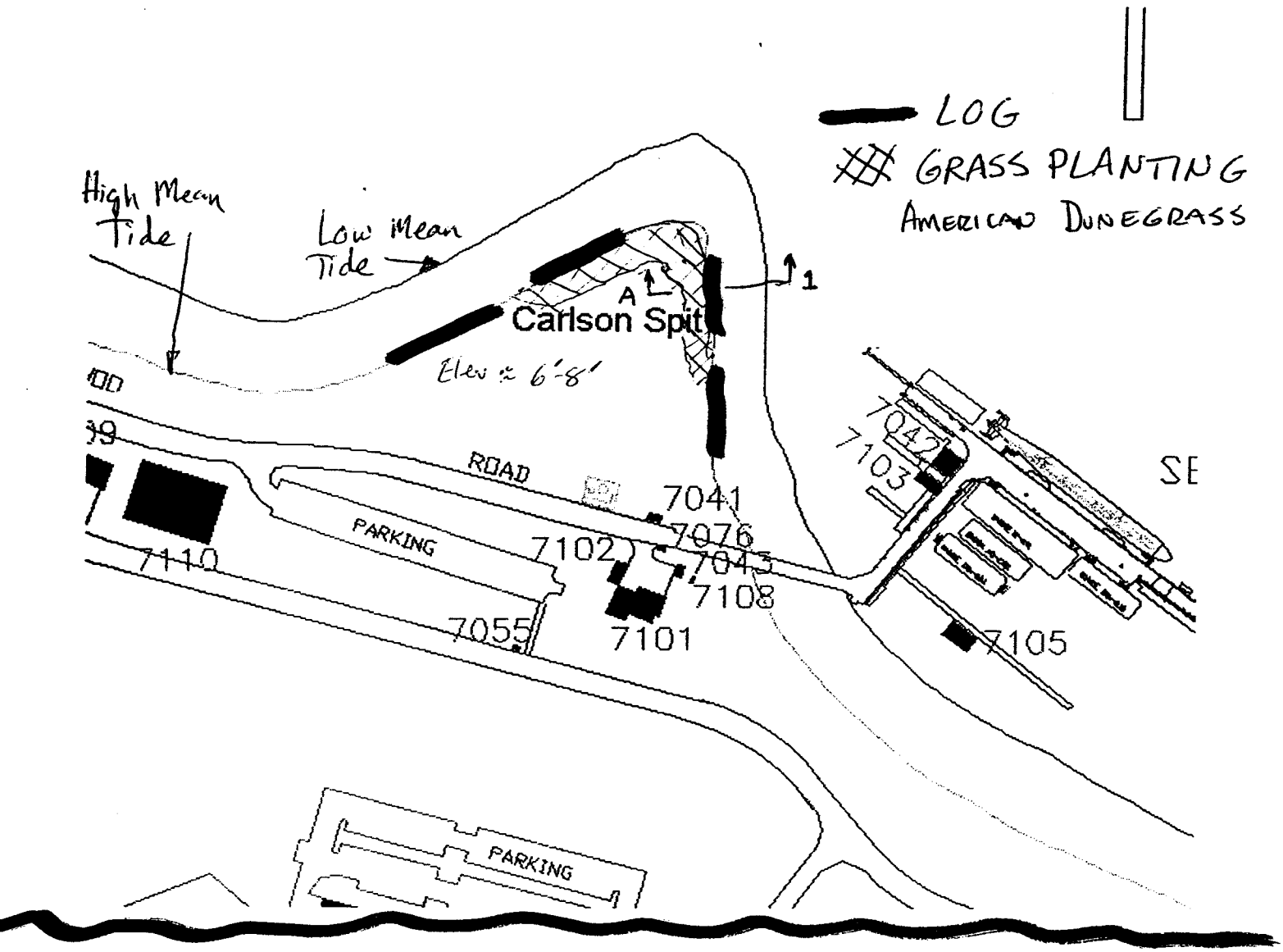
Estimated cost of this project is $2200 to $2500 depending on the type of labor force used. It is anticipated that military labor will be available for the beach clean up, and for transplanting the grass, so the actual out of pocket budget line item expenditure will be less.

7) For projects involving habitat restoration/acquisition:

a) What is the approximate acreage of the area to be restored?
About one and one half acres.

b) What is the current ownership of the area to be restored?
U.S. Navy; Naval Submarine Base, Bangor, Silverdale WA. 98315

c) Please attach a map(s) showing the location where the restoration project will take place. See attached.


LOG
GRASS PLANTING
AMERICAN DUNEGRASS
High Mean Tide
Low Mean Tide
A
1
Carlson Spit
Elev ≈ 6'-8'
ROAD
PARKING
7110
7102
7041
7076
7043
7108
7101
7055
7042
7103
7105
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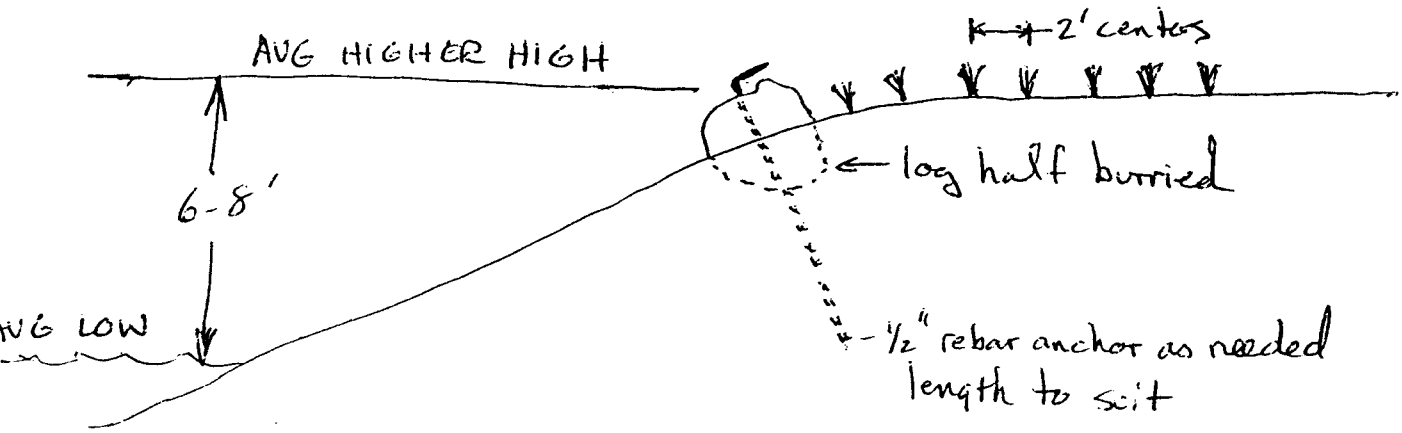
PARKING


AVG HIGHER HIGH
2' centers
6-8'
log half burried
½" rebar anchor as needed length to suit

SECTION 1-A